

March 18, 2019

Rob King
Hampton Bays Water District
P.O. Box 1013
Hampton Bays, NY 11946

RE: Project: BACT SERIES 3/15
Pace Project No.: 7082494

Dear Rob King:

Enclosed are the analytical results for sample(s) received by the laboratory on March 15, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Stu Murrell
stu.murrell@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Warren Booth, Hampton Bays Water District
John Collins, H2M Group
Stella Michaels, Hampton Bays Water District
Paul Ponturo, H2M Group



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BACT SERIES 3/15

Pace Project No.: 7082494

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

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SAMPLE SUMMARY

Project: BACT SERIES 3/15

Pace Project No.: 7082494

Lab ID	Sample ID	Matrix	Date Collected	Date Received
7082494001	S-15687 0-MIN.	Drinking Water	03/15/19 07:40	03/15/19 12:00
7082494002	S-15687 1-MIN.	Drinking Water	03/15/19 07:41	03/15/19 12:00
7082494003	S-15687 5-MIN.	Drinking Water	03/15/19 07:45	03/15/19 12:00
7082494004	S-15687 15-MIN.	Drinking Water	03/15/19 07:55	03/15/19 12:00
7082494005	S-15687 30-MIN.	Drinking Water	03/15/19 08:10	03/15/19 12:00

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SAMPLE ANALYTE COUNT

Project: BACT SERIES 3/15

Pace Project No.: 7082494

Lab ID	Sample ID	Method	Analysts	Analytes Reported
7082494001	S-15687 0-MIN.	SM22 9223B Colilert	AL1	2
7082494002	S-15687 1-MIN.	SM22 9223B Colilert	AL1	2
7082494003	S-15687 5-MIN.	SM22 9223B Colilert	AL1	2
7082494004	S-15687 15-MIN.	SM22 9223B Colilert	AL1	2
7082494005	S-15687 30-MIN.	SM22 9223B Colilert	AL1	2

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ANALYTICAL RESULTS

Project: BACT SERIES 3/15

Pace Project No.: 7082494

Sample: S-15687 0-MIN.		Lab ID: 7082494001	Collected: 03/15/19 07:40	Received: 03/15/19 12:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW			Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert						
Total Coliforms	Absent				1	03/15/19 15:15	03/16/19 09:15		
E.coli	Absent				1	03/15/19 15:15	03/16/19 09:15		

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ANALYTICAL RESULTS

Project: BACT SERIES 3/15

Pace Project No.: 7082494

Sample: S-15687 1-MIN.		Lab ID: 7082494002	Collected: 03/15/19 07:41	Received: 03/15/19 12:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW			Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert						
Total Coliforms	Absent				1	03/15/19 15:15	03/16/19 09:15		
E.coli	Absent				1	03/15/19 15:15	03/16/19 09:15		

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ANALYTICAL RESULTS

Project: BACT SERIES 3/15

Pace Project No.: 7082494

Sample: S-15687 5-MIN.		Lab ID: 7082494003	Collected: 03/15/19 07:45	Received: 03/15/19 12:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW			Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert						
Total Coliforms	Absent				1	03/15/19 15:15	03/16/19 09:15		
E.coli	Absent				1	03/15/19 15:15	03/16/19 09:15		

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ANALYTICAL RESULTS

Project: BACT SERIES 3/15

Pace Project No.: 7082494

Sample: S-15687 15-MIN.		Lab ID: 7082494004	Collected: 03/15/19 07:55	Received: 03/15/19 12:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW		Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert							
Total Coliforms	Absent				1	03/15/19 15:15	03/16/19 09:15		
E.coli	Absent				1	03/15/19 15:15	03/16/19 09:15		

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ANALYTICAL RESULTS

Project: BACT SERIES 3/15

Pace Project No.: 7082494

Sample: S-15687 30-MIN.		Lab ID: 7082494005	Collected: 03/15/19 08:10	Received: 03/15/19 12:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
MBIO Total Coliform DW									
			Analytical Method: SM22 9223B Colilert Preparation Method: SM22 9223B Colilert						
Total Coliforms	Absent				1	03/15/19 15:15	03/16/19 09:15		
E.coli	Absent				1	03/15/19 15:15	03/16/19 09:15		

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QUALITY CONTROL DATA

Project: BACT SERIES 3/15

Pace Project No.: 7082494

QC Batch:	105631	Analysis Method:	SM22 9223B Colilert
QC Batch Method:	SM22 9223B Colilert	Analysis Description:	TotColDW MBIO Total Coliform
Associated Lab Samples:	7082494001, 7082494002, 7082494003, 7082494004, 7082494005		

METHOD BLANK:	488277	Matrix:	Drinking Water
Associated Lab Samples:	7082494001, 7082494002, 7082494003, 7082494004, 7082494005		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
E.coli		Absent		03/16/19 09:15	
Total Coliforms		Absent		03/16/19 09:15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: BACT SERIES 3/15

Pace Project No.: 7082494

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BACT SERIES 3/15

Pace Project No.: 7082494

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7082494001	S-15687 0-MIN.	SM22 9223B Colilert	105631	SM22 9223B Colilert	105749
7082494002	S-15687 1-MIN.	SM22 9223B Colilert	105631	SM22 9223B Colilert	105749
7082494003	S-15687 5-MIN.	SM22 9223B Colilert	105631	SM22 9223B Colilert	105749
7082494004	S-15687 15-MIN.	SM22 9223B Colilert	105631	SM22 9223B Colilert	105749
7082494005	S-15687 30-MIN.	SM22 9223B Colilert	105631	SM22 9223B Colilert	105749

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Sample Request Form PUBLIC WATER SUPPLIER

☐ WELL OFF LINE

☐ WELL RUN TO SYSTEM

☐ YES ☐ NO VOC'S PRESERVED WITH HCI

Date:

Collected By:

Accepted By:

Cooler Temp:

3-15-19

DEYS WELL

Accepted By: Adrian 3/15/19 12:00

Cooler Temp: 6.2 °C (B)

Sample Types	Purpose	Origin	Treatment Types
PW - Potable Water	RO - Routine	D - Distribution	AST - Air Stripper
GW - Groundwater	RE - Resample	RW - Raw Well	GAC - Granular Activated Charcoal
SW - Surface Water	S - Special	TW - Treated Well	N - Nitrate Removal Plant
WW - Waste Water		T - Tank	FE - Iron Removal Plant
AQ - Aqueous		MW - Monitoring Well	O - Other
S - Soil		I - Influent	
		E - Effluent	

Sample Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl ₂ pH/Temp	Analysis	Lab No.
3-15-19 7:40 AM	GW	WELL 1-1 5'w	RW	-	S		Bact No. cl	001
3-15-19 7:41 AM	GW	WELL 1-1 1m.d	RW	-	S		Bact No. cl	002
3-15-19 7:45 AM	GW	WELL 1-1 5-m.d	RW	-	S		Bact No. cl	003
3-15-19 7:55 AM	GW	WELL 1-1 15m.d	RW	-	S		Bact No. cl	004
3-15-19 8:10 AM	GW	WELL 1-1 30m.d	RW	-	S		Bact No. cl	005

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WO#: 7082494



Client Info:

Name or Code: HAMPTON BAYS WATER DISTRICT

Address: P.O. BOX 1013

Address: HAMPTON BAYS, NEW YORK 11946

(631) 728-0179

Phone #: _____

Attn: _____

Proj. # or (Name): _____

Bill To: _____

Copies To: _____

Remarks:



Sample Condition Upon Receipt

Client Name:

HBW

Project

WO#: 7082494

PM: SWM Due Date: 04/14/19

CLIENT: HBW

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Thermometer Used: TH091 Correction Factor: 0.0

Cooler Temperature (°C): 6.2 Cooler Temperature Corrected (°C): 6.2

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: HP 3/15/19

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☒ NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out: <input type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix SL WD OIL	
All containers needing preservation have been checked <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #	Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	Initial when completed: Lot # of added preservative: Date/Time preservative added
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #	
Residual chlorine strips Lot #	Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):	

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution: